

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A bipolar plate [(1)] for electrochemical systems, which contains a first plate [(2)] with a first flowfield [(2a)] for media distribution as well as a second plate [(3)] with a second flowfield [(3a)] for media distribution, wherein the first plate in the region of the first flowfield at least in regions has a plane surface section [(4)] from which discrete projections [(5)] distanced to one another and arranged in a distributed manner project, characterised in that the second plate comprises channel structures [(7)], and the projections [(5)] on the first plate as well as the channel structures [(7)] on the second plate [(3)] are arranged in a manner such that a cavity [(8)] for introducing cooling fluid is formed between the first [(2)] and the second [(3)] plate, whereas the channel structure on the second plate comprises a first channel which is unconnected to a second channel, and the projections [(5)] on the first plate [(2)] and the corresponding channel structures [(7)] on the second plate [(3)] are designed such that the projections [(5)] form a cross-over of cooling fluid from a first channel [(7.1)] of the channel structure to a second channel [(7.2)] of the channel structure.

2 - 17 (Canceled)